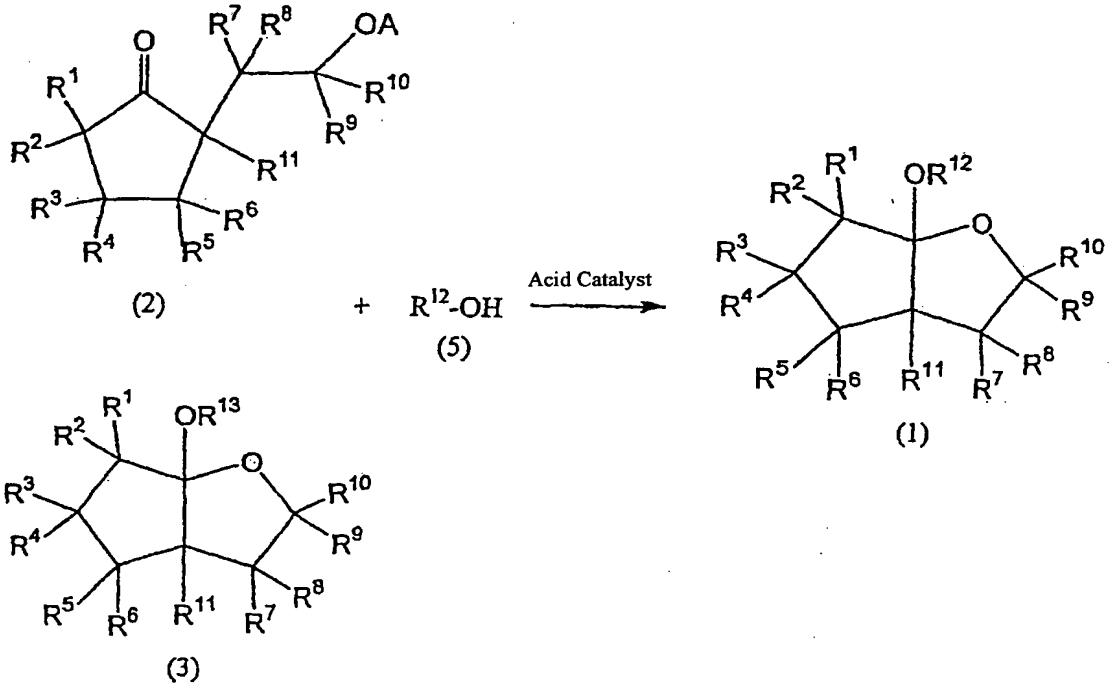
ABSTRACT

2-Oxabicyclo[3.3.0]octane compounds represented by the following formula (1) (compound (1)); an optical resolver comprising at least one of the compounds (1); a process for producing the compounds (1) which comprises reacting a compound (2) or compound (3) with an alcohol (5) in the presence of an acid catalyst; a method of separating a diastereomer mixture of a compound (1); and a method of optically resolving an alcohol with the optical resolver.



[In the formulae, R^1 to R^{10} each represents hydrogen atom, etc.; R^{11} represents an alkyl group, etc.; R^{12} represents a hydrocarbon group, etc.; R^{13} represents a hydrocarbon group, etc.; and A represents acetyl group, etc.]